

CCR No. 98- 0738	Logged Date 06/23/98	Rev. -----	Request Type CCR
Priority Routine <input checked="" type="checkbox"/> Urgent <input type="checkbox"/> Emergency <input type="checkbox"/>	Affected Release V 2.0	Change Class II	
Title (description) Deploy five(5) more 8MM Stackers into the DIPHW suite at GDAAC for Performance Testing			
Documents Affected GSFC Hardware Diagram 920-TDG-001 (If testing successful) GSFC Floor Diagram 920-TDG-004 (If testing successful)		Source Nos (RID, NCR, Action Item, GSFC CCR, etc) or Tech Reference	
RTM Change <input type="checkbox"/> Start New Baseline <input type="checkbox"/>			
Problem The Esdis ERB (Engineering Review Board), in accordance with ERB issue #11, asked Joe Guzek to deploy more 8MM tape stackers on all DIPHW subsystems at the DAAC's. (The direction for this (which documents the number of drives desired at each DAAC) is located out on the ERB issues URL: http://esdis.gsfc.nasa.gov:591/erb_issues/default.htm Joe Guzek has directed that testing be conducted at one DAAC before deploying more stackers at all DAAC's.			
Proposed Solution It is proposed that ECS deploy and add five 8MM Stackers <u>from stock</u> into the current DIPHW subsystem containing two 8MM stackers (for a total of seven 8MM stackers) at GDAAC, and run <u>performance tests</u> to determine performance implications. This will determine if deployment of more 8MM stackers to all DAAC's is warranted. What we are trying to find out is <u>when</u> either the network to DDIST or the DDIST host computer will be saturated. We think that will be at about the load that can be handled by 14 drives (7 stackers). If all goes well the 8MM stackers will remain attached to the GDAAC DIPHW server g0dis02 and the GSFC Hardware Diagram and Floor Diagram will be updated at that time. NEED DATE: 06/30/98			
Impact Analysis: Organizations Affected: BOO <input type="checkbox"/> Contracts <input type="checkbox"/> ECS Chief Eng <input checked="" type="checkbox"/> FOS <input type="checkbox"/> M&O <input checked="" type="checkbox"/> Procurement <input type="checkbox"/> OO <input type="checkbox"/> Rel. Dev <input type="checkbox"/> Rel. A <input type="checkbox"/> Rel. C <input type="checkbox"/> SCDO Arch. <input type="checkbox"/> Science Off <input type="checkbox"/> Security <input type="checkbox"/> Subcontract <input type="checkbox"/> Sys. Eng <input checked="" type="checkbox"/> Sys Verf Acpt <input type="checkbox"/>			
Cost: None <input checked="" type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large <input type="checkbox"/> (Not exceeding \$100,000) (\$100,000 to \$500,000) (Over \$500,000)			
Schedule: None <input checked="" type="checkbox"/> Other _____			
Additional LOC _____		Man-Months _____	
Materials _____			
Originator Randy Bollinger, SED		Signature <i>Randy Bollinger</i> Date 6/24/98	
Office SED Office Manager		Signature <i>T. Fisher</i> Date 6/24/98	
Disposition Approved <input checked="" type="checkbox"/> Approved w/Comment <input type="checkbox"/> Forward <input type="checkbox"/> Disapproved <input type="checkbox"/>			
Comments: CCB Chairperson <i>Joe Guzek</i> Signature Date 6/25/98			